

AN OPEN LETTER TO MOTHERS.

WE ARE ASSERTING IN THE COURTS OUR RIGHT TO THE EXCLUSIVE USE OF THE WORD "CASTORIA" AND "PITCHER'S CASTORIA," AS OUR TRADE MARK.

I, DR. SAMUEL PITCHER, of Hyannis, Massachusetts, was the originator of "CASTORIA," the same that has borne and does now bear the fac-simile signature of *Chas. H. Fletcher* wrapper. This is the original "CASTORIA" which has been used in the homes of the Mothers of America for over thirty years. LOOK CAREFULLY at the wrapper and see that it is the kind you have always bought and has the signature of *Chas. H. Fletcher* wrapper. No one has authority from me to use my name except The Centaur Company, of which Chas. H. Fletcher is President. March 24, 1898.

Chas. H. Fletcher M.D.

Do Not Be Deceived.

Do not endanger the life of your child by accepting a cheap substitute which some druggist may offer you (because he makes a few more pennies on it), the ingredients of which even he does not know.

"The Kind You Have Always Bought" BEARS THE SIGNATURE OF

Chas. H. Fletcher

Insist on Having The Kind That Never Failed You.

SCHOOLS AND COLLEGES.

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JAMES NELSON, M. A., D. D., President.

(By 10-Su, Tu & Fr)

Richmond College,

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The college is well established and

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made annually to apparatus and libraries.

Courses of instruction are all elective.

Degrees offered are M. A., B. A., B. S., and Bachelor of Science in Education.

Faculty and instructors; three Professors of Law.

Women 18 years old and over admitted to higher classes and to all academic degrees.

Special advantages are offered in English language and literature, American politics, English and American history, the laboratory sciences, and in Public Speaking.

Tuition, \$25 to \$50 a session of nine months. Law tuition, \$40. Table board, \$15 to \$20 a month.

SESSION OPENS SEPTEMBER 22D.

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The thirty-fourth annual session of this school for boys begins on

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The Girls' Latin School, Baltimore, Md.

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JAMES RIVER WATER.

PROFESSOR WINSTON TELLS OF HIS EXPERIMENTS WITH IT.

IT CANNOT BE FILTERED WELL.

So Says the College Physician, After a Number of Tests—Chemical Aid Must Be Used—Why Dr. Taylor Likes It—Not Unwholesome.

The protocol having been signed and there being no prospect for victories by land and sea, the jealous James river rose up in the nick of time to draw the attention of Richmond and Manchester people to itself.

Judging from the talk in the papers and on the streets, the question now uppermost in the minds of the residents of both cities is how the matter of getting rid of the mud in the water can be settled for all time.

Among those who in a quiet and practical way have been thinking about it is Professor Charles H. Winston, of the Chair of Physics in Richmond College. A representative of the Dispatch called on Professor Winston in his laboratory at the college yesterday and heard some very interesting talk from him on experiments he has made recently in clarifying the water.

Professor Winston disclaims any audacious attempt to experiment to a definite end, but was led to it more by a desire to satisfy his own mind about the practicability of clearing the water at all.

IT CANNOT BE DONE.

Professor Winston is positive that it cannot be done by mechanical means alone. He came to this conclusion in this way: First, a funnel was lined with filter paper and the water of the James introduced. The complexion of the water as it issued from the spout was precisely the same as before. Thinking that, perhaps, the filter paper was not strong enough, he substituted charcoal, with the same result. He next tried both, still the water was of the same cloudy hue.

He then left in a vessel over the mud through the filter paper, a layer of sulphate of lime, or plaster of Paris, was put over the charcoal, and again the water was run through. The result was marvelous. The droppings were almost as clear as crystal. Surely this was success. The water was then poured through the filter paper, a charcoal, and also the filter paper, and the charcoal along with the water. Or, again, as "H. B." expressed it in the Dispatch of Saturday, water which will not "sediment" will not filter.

ALUM BROUGHT BEST RESULTS.

The remaining experiments made by the Professor were with chemicals. Alum brought the best results, and he thinks is least injurious to the drinker, if, in fact, injurious at all. Ever since the river has been on this late insurrection, he has derived practical benefit from the alum, using the clarified water in his own household for all purposes. He made a solution of alum, such that there should be a known quantity of the mineral to every teaspoonful of the solution—say, one and a half grains. This he put in a half gallon of water at night. The next morning the water was as clear as he could wish it.

Professor Winston was asked why the alum cleared the water, and replied that he did not know, nor was it at all plain to scientists. It was evident only that the alum served to break those bonds which held the mud and water together, but how and why no one could say definitely. The veteran physicist smilingly said, however, that he had read somewhere that the alum solution formed a finely-meshed net at the top of the vessel, and sinking down the mud with it—making the process both chemical and mechanical.

WHAT PROFESSOR WINSTON SAID NEXT was in answer to a question whether there was alum in the clarified water. He replied that he thought there surely was, though he had not subjected it to any chemical test. It could not be detected by taste, however, as the lime was when the water was cleared by plaster of Paris.

EXPERIMENTS WITH ACIDS.

He made finally some forty experiments with acids and alkalis. All of the strong acids served to clear the water, but left their earmark in the liquid. He tried vinegar, acetic acid. This failed, because it lacked strength. The alkalis—common soap, for instance—were tried, but their effect was just opposite to that of the acids. They could not work at all. The sulphate of iron, copperas, sulphate of zinc were also tried, and both cleared the water very well.

WHAT DR. TAYLOR DRINKS.

Dr. W. H. Taylor, State Chemist and City Coroner, was asked by a representative of the Dispatch the other day what he was drinking during this spell of mud. Dr. Taylor's reply was characteristic. "James-river straight, you know," he went on. "I like my drinks with some body to them."

Dr. Taylor says the people should not worry themselves overmuch about James-river water. It had been shown, beyond a doubt, that it was not unwholesome. The general health of Richmond at present, which was remarkably good for the season of the year, was an indisputable proof of that. "If the water was as unwholesome as people make out," he said, "we would have worse than a Santiago right here in Richmond." But it was pure, he added, if it was muddy. Dr. Taylor laid a great deal of stress on this fact. He said during this spell a great number of persons, especially on the outskirts of the city, had been using water from the springs and wells, because it was clear. He did not think this was wise. Especially it was not desirable to use water taken from wells long out of use. That water was clear was not a sign of purity. In this connection he spoke of the great filters of London and other places, and said they were not for clearing the water of mud, as many people supposed, but for purifying it of the poisons, gaseous and soluble, which could not be seen.

To sum it all up, in the Doctor's opinion, James-river water, though muddy, is greatly to be preferred, from a standpoint of health, to that taken from wells and springs, and even to much of the bottled water.

The Weather Conditions.

Section-Director Evans, of the Virginia Weather Bureau, issues the following weather bulletin:

The barometer pressure is highest on the Middle and North Atlantic coasts, and lowest in the upper Lake region.

The temperature has risen in the West, falling slightly in the Ohio Valley and Middle Atlantic States, and remained about stationary elsewhere.

The weather is cloudy along the Atlantic coast, except in Florida, and mostly clear in all other districts, except the upper Mississippi Valley, where it is also cloudy.

Rain has fallen in the South Atlantic and Middle Atlantic States and the upper Mississippi Valley.

Threatening weather is indicated.

Old papers for sale at the Dispatch office.

"None Are So Blind as Those That Won't See."

and if you want to see this verified write to us for price on what you need, and you will be surprised at the low prices. We are headquarters for Roofing of every kind and description, and the quality and prices are the very best on the market. We are in line on Fencing, Barbed Wire, Machinists' Tools, and General Hardware. Try us and be convinced.

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CHESAPEAKE

ROUTE OHIO RAILWAY.

Effective August 10, 1898.

TRAINS LEAVE RICHMOND, BROAD-STREET STATION.

9:00 A. M., Daily, with Parlor car, for Norfolk, Old Point, Newport News, and principal stations, connecting at Norfolk with New York steamers, except Friday and Sunday.

8:45 P. M., Daily, with Pullman, for Norfolk, Old Point, Newport News, Old Point, Norfolk, and Portsmouth. Connects at Old Point with Virginia steamers daily, and with 11:30 P. M. train, except Sunday.

10:20 A. M., Monday Express, with Parlor car, except Sunday, for Norfolk, Old Point, Newport News, and principal stations, connecting at Norfolk with New York steamers, except Friday and Sunday.

2:15 P. M., Daily, with Pullman, for Norfolk, Old Point, Newport News, and principal stations, connecting at Norfolk with New York steamers, except Friday and Sunday.

3:30 P. M., Daily, with Pullman, for Norfolk, Old Point, Newport News, and principal stations, connecting at Norfolk with New York steamers, except Friday and Sunday.

10:30 P. M., Daily, with Pullman, for Norfolk, Old Point, Newport News, and principal stations, connecting at Norfolk with New York steamers, except Friday and Sunday.

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RAILROAD LINES.

SOUTHERN RAILWAY